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**GROUP 3600**

Appn. Number : 10/021,656  
Appn. Filed : 12-12-2001  
Applicant : Gary C. Johnson (applicant pro se)  
Title : Johnson-positive action continuous traction (p.a.c.t.) differential.  
Examiner : Dirk Wright  
Art Unit : 3681

**NEW MATTER STATEMENT**

**CONCERNING NEW MATTER:**

With this statement I, Gary C. Johnson attest to and verify that there is no "NEW (SUBJECT) MATTER" contained in the "DETAILED DESCRIPTION OF THE INVENTION" submitted, the "substitute" claims; 7 and 8, and the drawing. The corrections/changes made do not constitute "NEW MATTER", but are of the original application's subjective material. The composition of what is claimed, amended, and submitted; is substantiated by what is already disclosed in the original application.

Signature: \_\_\_\_\_

Date : \_\_\_\_\_

*Gary C. Johnson*  
6/25/04

~~DETAILED DESCRIPTION OF THE DRAWINGS~~

In FIG. 1, the support member 1 supports the central case member 2, the case member 2 is the final resting place for pinion shafts 3 and 4. the axle shaft 5, has a gear 6 splined to it's end. The gear 7 is rotatively stationary to the pinion case 8, being splined to the shaft 19. The shaft 19 being fixed to the central case member 2. The planetary gear case 9, having an axle shaft 10 splined to one of it's axial openings. The gear case 9 having a bevel gear 11 fixed/splined to it's other end. A bevel gear 12 being splined to axle shaft 5. the pinion gears 13 and 14 being rotatively stationary to the main case 8. The gear case 9, having an axle shaft 10 splined to one of it's axial openings. The gear case 9 having a bevel gear 11 fixed/splined to it's other end. The gear case 9 having orbital gears 15 and 16 rotatively stationary to the said case 9, by way of shafts 17 and 18 respectively. The end plate 20 is for the entrance and containment of most of the members of the said new differential. The member 29 is a flat bearing.

In FIG. 1, wherein if one of either axle sections were to resist mobility, the faster rotating gear 6 or 7 will counter rotate the orbital gears 15 and 16, therein counter rotating the case 9 and it's splined axle shaft, therein the differential only allowing inversely proportional rotation.

(this is from my original  
patent application 10/021,656)  
Johnson; p.a.c.t. differential

1449 Form

THE POSITIVE ACTION CONTINUOUS TRACTION DIFFERENTIAL

Field of SEARCH

475/252

REFERENCES CITED

U. S. Patent Documents

*B* 4/916,978

4/1990: Razelli

475/252

*B* 3/768,336

10/1973 wharton

DIRK WRIGHT  
PRIMARY EXAMINER  
ART UNIT 352 3601

*[Signature]*

1/9/03

JC564 U.S. PTO  
10/021656









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Sections:

-  **Front Page**
-  **Drawings**
-  **Specifications**
-  **Claims**



US 20020091031A1

(19) **United States**(12) **Patent Application Publication**  
Johnson

(10) Pub. No.: US 2002/0091031 A1

(43) Pub. Date: **Jul. 11, 2002**(54) **JOHNSON - POSITIVE ACTION  
CONTINUOUS TRACTION (P.A.C.T)  
VEHICLE DIFFERENTIAL**(76) Inventor: Gary Carlton Johnson, Columbus, OH  
(US)Correspondence Address:  
Gary C. Johnson  
P.O. Box 10835  
Columbus, OH 43201 (US)

(21) Appl. No.: 10/021,636

(22) Filed: Dec. 12, 2001

## Related U.S. Application Data

(63) Non-provisional of provisional application No.  
60/254,901, filed on Dec. 12, 2000.

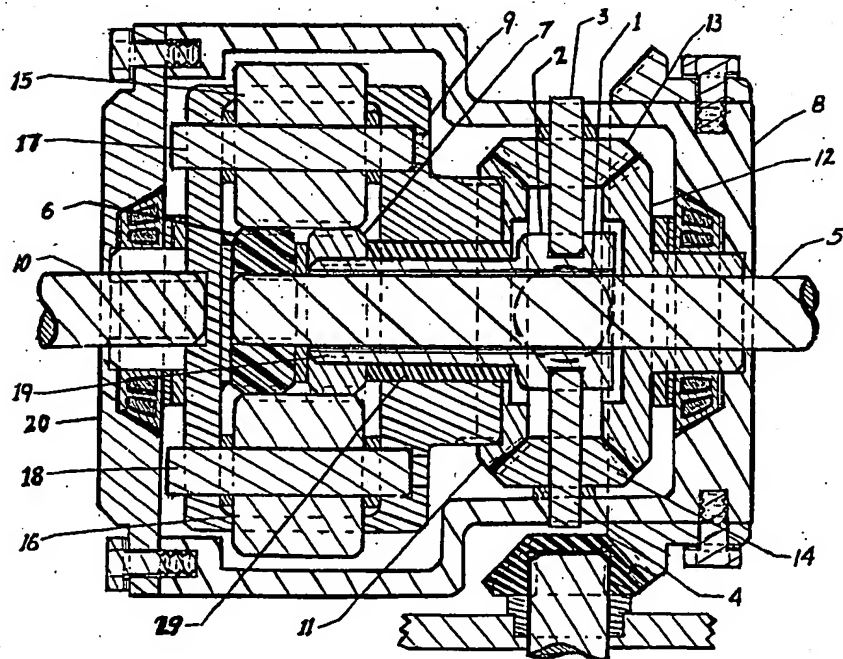
## Publication Classification

(51) Int. Cl.<sup>7</sup> F16H 48/06

(52) U.S. Cl. 475/221

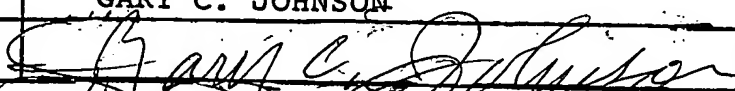
(57) **ABSTRACT**

The invention relates to a new vehicle differential that will rotate both axle sections under all conditions. Having positive traction capabilities and still allow variability between axle sections.



<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10 / 021, 656
	Filing Date	12 / 12 / 2001
	First Named Inventor	GARY C. JOHNSON
	Art Unit	3681
	Examiner Name	Dirk Wright
Total Number of Pages in This Submission	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input checked="" type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks AMENDMENTS; REQUESTS 1-7, REMARKS 2 PAGES, ATTACHMENTS AND FORMS 1-10. Amendment to claims (3-pages). Amendment to "Description of invention" (5-pages). Amendment to drawing (2-duplicates). [R.18;11]		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name		
Signature		
Date		

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Typed or printed name	GARY C. JOHNSON		
Signature		Date	6-25-04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Paper No.

Notice of Non-Compliant Amendment (37 CFR 1.121)

The amendment document filed on 7/31/03 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121, as amended on June 30, 2003 (see 68 Fed. Reg. 38611, Jun. 30, 2003). In order for the amendment document to be compliant, correction of the following item(s) is required. Only the corrected section of the non-compliant amendment document must be resubmitted (in its entirety), e.g., the entire "Amendments to the claims" section of applicant's amendment document must be re-submitted. 37 CFR 1.121(h).

THE FOLLOWING CHECKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☒ 1. Amendments to the specification:
- ☒ A. Amended paragraph(s) do not include markings OR SPECIFIC LOCATION TO ADD NEW SECTION.
  - ☐ B. New paragraph(s) should not be underlined.
  - ☒ C. Other: Detailed Description of the Drawings Amendment Invalid - Should be done by deletion or replacement of paragraph.
- ☐ 2. Abstract:
- ☐ A. Not presented on a separate sheet. 37 CFR 1.72.
  - ☐ B. Other \_\_\_\_\_
- ☒ 3. Amendments to the drawings: No Red markings on Drawings
- ☒ 4. Amendments to the claims:
- ☒ A. A complete listing of all of the claims is not present.
  - ☐ B. The listing of claims does not include the text of all claims (including withdrawn claims)
  - ☒ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified.
  - ☒ D. The claims of this amendment paper have not been presented in ascending numerical order.
  - ☒ E. Other: See web site below

For further explanation of the amendment format required by 37 CFR 1.121, see MPEP Sec. 714 and the USPTO website at <http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/officeflyer.pdf>.

If the non-compliant amendment is a **PRELIMINARY AMENDMENT**, applicant is given ONE MONTH from the mail date of this letter to supply the corrected section which complies with 37 CFR 1.121. Failure to comply with 37 CFR 1.121 will result in non-entry of the preliminary amendment and examination on the merits will commence without consideration of the proposed changes in the preliminary amendment(s). This notice is not an action under 35 U.S.C. 132, and this ONE MONTH time limit is not extendable.

If the non-compliant amendment is a reply to a **NON-FINAL OFFICE ACTION** (including a submission for an RCE), and since the amendment appears to be a *bona fide* attempt to be a reply (37 CFR 1.135(c)), applicant is given a TIME PERIOD of ONE MONTH from the mailing of this notice within which to re-submit the corrected section which complies with 37 CFR 1.121 in order to avoid abandonment. **EXTENSIONS OF THIS TIME PERIOD ARE AVAILABLE UNDER 37 CFR 1.136(a).**

If the amendment is a reply to a **FINAL REJECTION**, this form may be an attachment to an Advisory Action. The period for response to a final rejection continues to run from the date set in the final rejection, and is not affected by the non-compliant status of the amendment.

Deborah Neal  
Legal Instruments Examiner (LIE)

703-305-7812  
Telephone No.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,656	12/12/2001	Gary Carlton Johnson		4604

7590

06/10/2004

Gary C Johnson  
2064 Lafayette  
Detroit, MI 48207

EXAMINER

WRIGHT, DIRK

ART UNIT	PAPER NUMBER
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3681

17

DATE MAILED: 06/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

D-20

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*Photo Credit: Felecia Taylor*



**REQUESTS !-7**  
**DESCRIPTION OF INVENTION**  
**SUBSTITUTE CLAIMS (7 and 8)**  
**CORRECTED/AMENDED DRAWING**  
**REMARKS (2 pages)**  
**ATTACHMENTS AND FORMS (1-10)**

Perm Souvenir Distributors, Grand Rapids MI, Phone 616-785-9700



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Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

This Certificate covers: REQUESTS 1-7 (1 page), DETAILED DESCRIPTION OF INVENTION (5 pages), SUBSTITUTE CLAIMS (7 and 8 [3 pages]), CORRECTED/AMENDED DRAWINGS (2 duplicates with proposed changes indicated in red), REMARKS (2 pages), and ATTACHMENTS AND FORMS 1-10 (1 self addressed postcard).

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